

Comparisons of Job Characteristics

Focus Occupation: **Etchers and Engravers (51-9194)**

Associated Occupation: **Patternmakers, Wood (51-7032)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 53

Focus Occupation: Etchers and Engravers (51-9194)

Associated Occupation: Patternmakers, Wood (51-7032)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	14.5	9.4	<<	Extensive education and/or training may be required
Mathematics	9.2	13.8	9.7	<<	Extensive education and/or training may be required
Design	5.2	12.6	10.0	<	Expanded education and/or training may be required
Engineering and Technology	5.7	11.4	5.2	<<	Extensive education and/or training may be required
Production and Processing	6.0	10.1	15.0	>>	Current knowledge level is likely more than sufficient
Building and Construction	4.0	7.7	2.6	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 72

Focus Occupation: Etchers and Engravers (51-9194)

Associated Occupation: Patternmakers, Wood (51-7032)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	9.5	7.6	<	A higher skill level may be required
Operations Analysis	5.0	8.9	5.1	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	6.6	4.4	<<	Extensive development of skills in this area may be required
Management of Financial Resources	3.3	6.2	2.0	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 84			
Focus Occupation: Etchers and Engravers (51-9194) Associated Occupation: Patternmakers, Wood (51-7032)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	13.0	12.1	0	Current ability level may be sufficient
Manual Dexterity	6.5	13.0	10.2	<	Some improvement in abilities may be required
Control Precision	6.6	12.6	11.2	<	Some improvement in abilities may be required
Reaction Time	4.8	11.8	5.0	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	10.5	10.7	0	Current ability level may be sufficient
Multilimb Coordination	6.0	10.2	7.6	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	8.5	4.4	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	7.5	1.3	<<	Extensive improvement in abilities may be required
Wrist-Finger Speed	3.2	7.3	5.2	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 81
Focus Occupation: Etchers and Engravers (51-9194) Associated Occupation: Patternmakers, Wood (51-7032)		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Apply protective coating to products	84	
Examine products or work to verify conformance to specifications	15	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Monitor production machinery/equipment operation to detect problems	27	
Operate metal or plastic fabricating equipment/machinery	54	
Read technical drawings	7	
Understand technical operating, service or repair manuals	6	
Use hand or power tools	2	
Use precision measuring tools or equipment	17	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Etchers and Engravers (51-9194)
Associated Occupation: Patternmakers, Wood (51-7032)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.